



LIGHT LIVESTOCK EQUIPMENT
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Alpaca & Llama Chute

Parts & Assembly



Uncrate the chute by removing the 8 nuts and bolts connecting the top frame to the base unit. Save the nuts and bolts—you will use them on the frame. Cut the straps with wire cutters. Remove and discard the 4 short, unpainted corner supports. (Shown at left)

Please check to make sure you have the following parts:

Parts



___ 1 base unit (includes plywood floor)
 ___ 1 top frame



___ 2 pneumatic tire wheels



Shown at far left of this photo

___ 2 tall vertical bars with small holes at the bottom and large holes at the top



Top End Bottom End

The difference in the small and large hole is slight



Shown in center

___ 2 tall vertical bars with one hole midway up



*Large bushings shown left side of photo
 Small wire rings shown right side of photo*

___ 2 tall vertical bars with large bushings and hole midway up
 ___ 2 tall vertical bars with small wire rings



___ 4 quick release head restraint straps



___ 2 quick release belly straps



___ 2 neck restraint handles
___ 2 bolts & nuts (5/8") for neck
restraint handles



___ 2 short horizontal bars with large D rings
___ 2 D rings



___ 2 large lower doors



___ 2 small upper doors



___ 4 webbing loops with rings



___ 1 withers restraint strap



___ 2 canvas covered foam cushions for neck restraint



___ 2 T-bolts



___ 2 bolts (5/8") and nuts (15/16") for securing neck restraint at the base



___ 16 bolts & nuts (1/2") for vertical bars & headstall bar

Tools you need to assemble the chute (pictured right):

- 2 ½" wrenches
- 2 15/16" wrenches
- 1 11/16" wrench
- 1 hard rubber mallet
- 1 wire cutter

Optional tools (not shown):

- Socket set
- Cordless or electric drill/screwdriver



Step 1

Vertical Bars



1) Insert the vertical bars in the base unit with the flange facing the outside.



2) Insert the 2 vertical bars with holes midway up in the front pipe sockets.

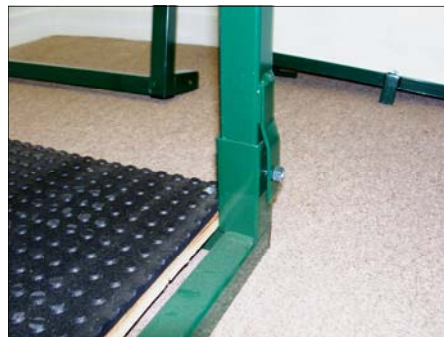
Make sure the holes that are midway up on these two bars line up because this is the connection point for the horizontal headstall bar.



3) Insert the 2 vertical bars with the large bushings and one hole midway up in the middle pipe sockets.



4) Insert the 2 vertical bars with the small rings in the back pipe sockets.



5) Use the hard rubber mallet if the bars need to be seated better to allow you to insert two ½" bolts from inside to outside through the holes in the pipe socket and vertical bar. *NOTE: Insert ½" bolts from the inside to the outside so that the end of the bolt is to the outside to reduce risk of injury.)*



6) Hand tighten the ½" nuts on the outside of the chute.

Step 2

Top
Frame



1) Place the top frame over the vertical bars and insert the vertical bars into the pipe sockets.

This procedure usually requires two people. Be careful not to pinch your fingers when sliding the top frame down onto the vertical bars. Use the hard rubber mallet to seat the top frame onto the vertical bars, if required. (NOTE: Insert 1/2" bolts from the inside to the outside so that the end of the bolt is to the outside to reduce risk of injury.) Hand tighten the 1/2" nuts on the outside of the chute.

Step 3

Neck
Restraint
Bar



1) Tilt the base unit on its side and insert the neck restraint bars through the holes in the floor.



2) Line up the small hole end of the neck restraint bar with the pre-drilled holes in the floor unit. The neck restraint vertical bar has two large holes at the top. Insert the 5/8" bolt in the bottom holes of the chute and the vertical bar, from front to rear and secure with the 11/16" nut.

3) Tighten securely, but do not over tighten since the bars must move freely to restrain and release the neck. Place the base unit upright.

Step 4

Head
Stall Bars &
D Rings



1) Place the short headstall bars in between the front and center vertical bars with the wire rings facing up, lining up the holes in each. * Optional D rings may be installed at this position as well. See photo below.

2) Insert a 1/2" bolt from the inside to the outside of the chute. Hand tighten the 1/2" nuts. *NOTE: Insert 1/2" bolts from the inside to the outside so that the end of the bolt is to the outside to reduce risk of injury.*



Step 5

Neck Restraint Handles & Pads



1) Insert a 15/16" bolt through the neck restraint handle sleeve. Then insert the bolt through the large hole in the top of the neck restraint bar, from the back to the front.

2) Tighten the nut on the front of the neck restraint bar, leaving enough play to allow the handles to move freely. On the llama chute the ring at the end of the handle should be facing down. Check to make sure that the handle catches on the stops in the center slot of the chute.



3) Open the fabric covered pads and squeeze them around the vertical neck restraint bars at a height appropriate for the size animals the chute will serve. The neck pads include Velcro along the edge of the nylon covering that is used to wrap the pads around the neck restraint bars. Tuck the loose ends of the fabric back into the pads.

Step 6

Doors



1) Insert the pins on the large lower door into the pipe socket at the center of the chute, making sure that the frame of the door is on the outside and the white liner is on the inside. Use the hard rubber mallet to tap the pins into the pipe socket if necessary. Close the door and check for positioning of the tab and the safety closure.



2) Follow the same procedure for the smaller upper door.

3. Adjust the chute frame to center the door tabs between the frame loops. Once the tabs are centered then go back and tighten all the nuts and bolts around the frame. This is a two person job. One to hold the frame square/tabs centered between loops and one to tighten nuts and bolts.

4) Attach the four locking pin-n-straps to the doors with the self tapping screws into the pre-drilled hole on each door.

Step 7

Straps

(4 Head Restraints, 2 Belly Straps, & 1 Withers Strap)



1) Install each quick release head restraint by attaching the quick release clip end of the strap to one of the 4 solid rings at the front of the chute. The quick release fitting is opened and closed by sliding the collar in the middle of the fitting.



2) Install the quick release belly straps by attaching the quick release clip end of the strap to one of the 4 fabric loops with rings that you cinch over the top frame bar at strategic positions behind the neck restraint cross section.



3) Two loops should be placed on each side of the chute so they allow the belly straps to support the animal under the "armpits" of the front and back legs. Allow the soft felt side of the straps to come in contact with the animal's body.



4) Attach the withers restraint to the solid rings on either side of the neck restraint bars. The withers restraint should run over the animal's withers behind the neck restraint bars.

Notice that the quick release restraints have two methods of release, either the pull down collar of the quick release clip or the push button feature of the alligator clip that allows you to tighten or release the strap. The withers restraint does not have quick release clips, only the alligator clips.

Step 8

Wheels



1) You will need to inflate the tires first. Then insert the T-bolts into the hubs of the wheels. Make sure that the wider hub portion of the wheel is to the inside or closest to the chute. This will allow the wheel to roll easily. Screw the T-bolts with the pneumatic tires into the holes on each side of the chute by tilting the chute to one side, and then the other.

Now you are set to go... Remove the wheels to use the chute.



HAVE CHUTE, WILL TRAVEL!

Suggestions for use of the chute:

- Locate the chute on a solid, level surface. Firm ground can work but avoid loose soil and any slope.
- Lead the alpaca or llama into chute by walking ahead of the llama and through the neck restraint bars.
- Lead alpaca or llama into the chute by handing the lead around each of the vertical bars/posts.
- Doors can be opened to allow more “roominess” for the extremely cautious llama.
- Once the alpaca or llama is fully forward in the chute, attach the 4 head restraint straps by connecting the 2 lower straps to the chin/lead ring and the 2 upper straps to the cheek rings on either side. Straps should then be well tightened so that there is limited movement of the llama’s head.
- **NOTE: all four head restraint straps must be used at all times to reduce risk of injury and equipment failure. They are made to work as a complete system and not using all straps places stress on the system.**
- The neck restraint bars should be closed to the point of being snug at the shoulders but not tight on the sides of the neck. The purpose of the neck restraint bars is to keep the alpaca or llama from moving forward.
- If an alpaca or llama is known to cush, the belly straps can be laid across the floor of the chute so they are in place and tightened up under the llama before they cush.
- Belly straps can be fed under the llama after they have cushed if needed.
- An alpaca can be raised from a cushed position to standing with the belly straps by pulling down simultaneously on the free end of the belly strap and up on the web triangle at the end of the felt pad of the belly strap. This method allows the use of both arms in the lifting process. This procedure can be done by one person by alternating sides but works best with 2 people working in tandem.
- Trans-abdominal ultrasounds can easily be performed by opening the top door on either side.
- Rectal ultrasounds or reproductive exams can be done from the rear.
- Front toenails can be trimmed by opening the lower door, rear toe nails from the rear of the chute.
- Blood draws from the neck can be done from the side of the head stall area.
- Teeth trimming can be done in the chute. The nose band of the halter may need to be opened to allow the llama’s mouth to open comfortably.

User assumes all risk associated with the use of this and any farm equipment.

